

Recombinant Full Length Human PPY Protein

Cat. No. PPY-395HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Pancreatic Polypeptide with N terminal proprietary tag, 36.19kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	95 amino acids
Description	This gene belongs to the NPY family and it encodes a protein that is synthesized as a 95 aa polypeptide precursor in the pancreatic islets of Langerhans. It is cleaved into two peptide products; the active hormone of 36 aa and an icosapeptide of unknown function. The hormone acts as a regulator of pancreatic and gastrointestinal functions and may be important in the regulation of food intake. Plasma level of this hormone has been shown to be reduced in conditions associated with increased food intake and elevated in anorexia nervosa. In addition, infusion of this hormone in obese rodents has shown to decrease weight gain.
Form	Liquid
Molecular Mass	36.190kDa inclusive of tags
AA Sequence	MAAARLCLSLLLLSTCVALLLQPLLGAQGAPLEPVYPGDNATPEQMAQYAADLRRYI NMLTRPRYGKRHKEDTLAFSEWGSPPHAAVPRELSPLDL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	PPY pancreatic polypeptide [Homo sapiens]
Official Symbol	PPY
Synonyms	PPY; pancreatic polypeptide; pancreatic prohormone; pancreatic polypeptide Y; PNP
Gene ID	5539
mRNA Refseq	NM_002722
Protein Refseq	NP_002713
MIM	167780
UniProt ID	P01298

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